INFO FILE:

Note that the application is in the Beta testing phase and that some application errors may develop with your use. If you receive an error, please try to identify what you did to cause the error and I will correct the sequence so that it doesn't happen again. In some error cases, a temporary file(s) could be created in the application that will need to be deleted for it to work properly, so it is important for you to contact me if you ever get an error message(s) and can not restart the application properly.

Also, Application expansion is proceeding on my end, which will require you to replace this version with a newer version from time to time. I have included a feature however that will allow you to export any record changes that you make to your current version which also serves as the method of data transfer between ALL other users having this particular version of the application. So you can still make additions or edits on your current version and add these local revisions to any application updates. If you do make any additions or edits, then you will need to send them to me (via e-mail) so that I can include the changes in any updates that may succeed this version. Information on exporting data files are described below.

Background

An automation process for Annual Summary Reporting has been included into the current revision to DOE O-231.1 (Appendix F - dealing with fire protection issues). The intent of the Annual Fire Protection Summary Application is to provide such an automation process. Most Items in Appendix F have been worked into the application, with past information (since 1991) included based on hard copy reports that have been sent to me over the years. The application allows fire protection engineers the ability to enter or edit information required by Appendix F and track events at either the Site, Field Operations Offices, CSO, or Headquarters levels on a year-to-year basis. In addition, database comparisons are provided between this information and CAIRS and ORPS, so that a fairly complete record exists on the retrieval of fire protection Information reported to the Department. The application also includes a Profile section that traces M&O activities such as name changes, points of contact and valuations.
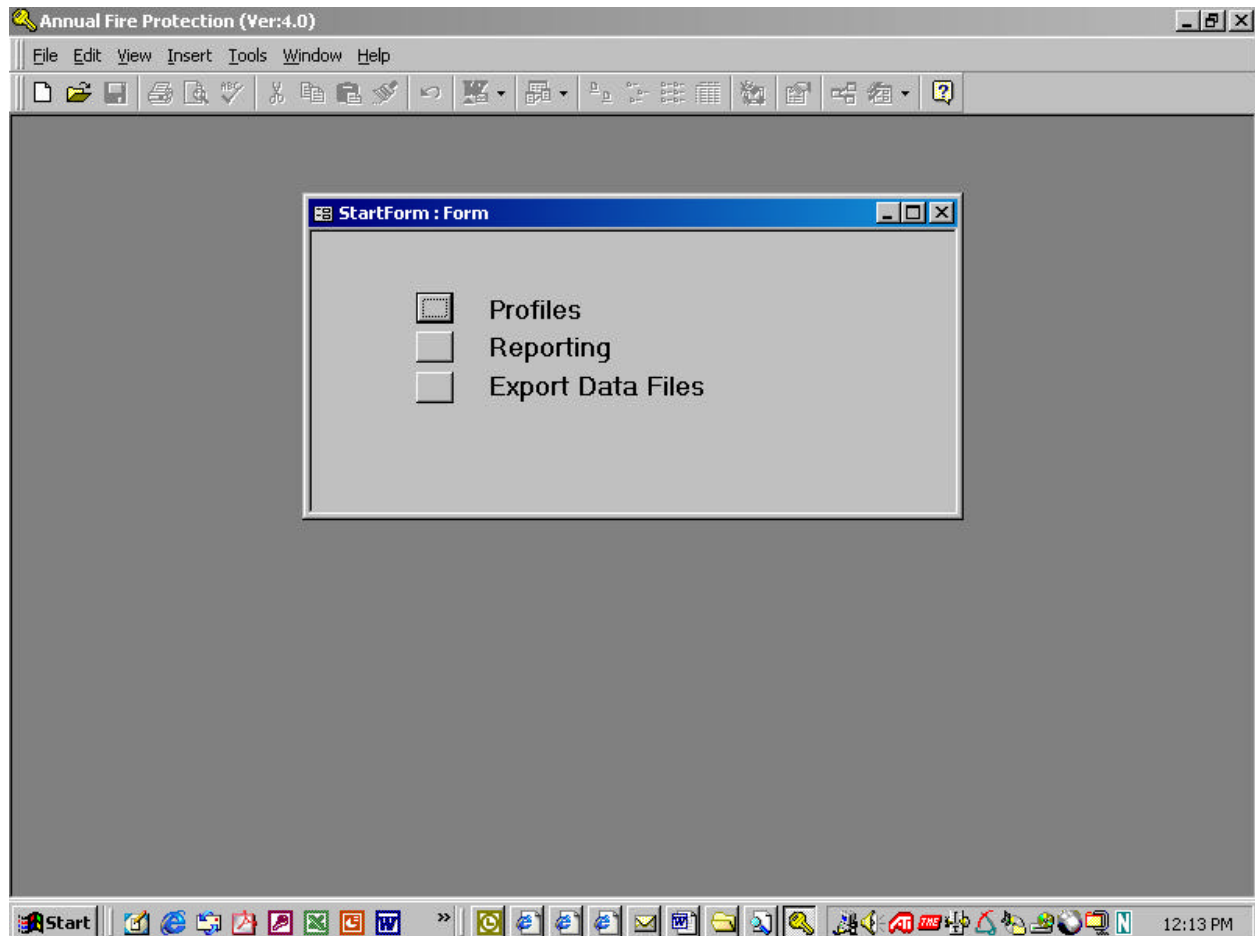
Right now, there are over 1500 events in the database, as well as Halon summaries, Recurring costs and Major equipment purchases since 1991.

Setup

You should put the Annual Summary.mdb file in a separate directory or folder (Called: Annual Fire Protection Summary) in the 'My Documents' area of your PC. Note that this application is written in Access 2000 (A2K), which may not be available on your machine. If you use an earlier version of Access (A-97), then you can request the A-97 version. Either version is equipped with a compatible export file feature so that A2K records can be imported to an A-97 application (both versions can talk to each other).

Once you put the application into a separate directory or folder then double-click on the application. Three folders will be created called: FPS_InBox, FPS_OutBox, and FPS_History (their use is explained in the Exporting Data Section). Next, the main screen (See below) will come up and you are in business.
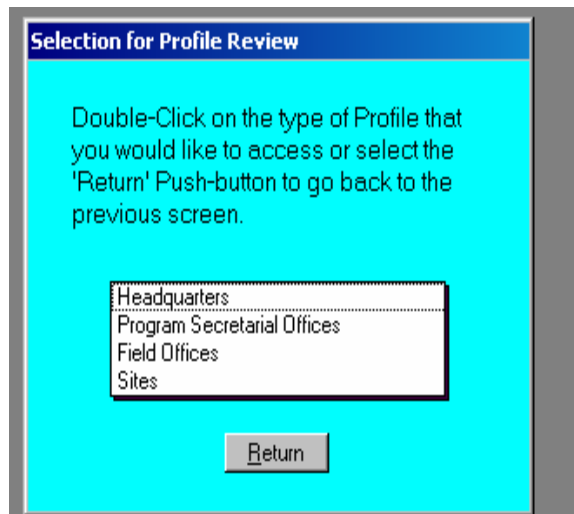
AFPS – Main Screen

Main Screen Section - Profiles

This section lists information about the Site including its property valuation history (according to CAIRS), Location, Point of Contact (POC), and all the M&O Organizations associated with the site. In addition, a grouping arrangement is available to allow you to see who at the DOE is responsible for this site along with their POC, valuation summary etc. A CSO and HQ profile lists either the sites or the OPS office info. When clicking on the Profiles button, you will see a screen pop up (see Screen Prompt 1 below) requesting how you want the profiles displayed (HQ,CSO,OPS, or site level) Clicking on the Site list displays a second screen that lists the nam of the site that you want (see Screen Prompt 2 below). This screen will also list the CSO's available as well as an OPS offices list depending on what you selected in Screen 1. Make the selection you want and the information will pop up (see Profiles – Main Screen below for a sample of what this screen looks like). By clicking on the tab sections of this screen, the user can view all of the read only information available for the selection. Changes made to the profiles section are made at the headquarters level (User can not make changes here but yearly updates are available through the applications import engine. So, if the user wants to change information in the profiles section, they need to call or e-mail the changes to me) NOTE: For

now all the info flows properly (I think), but not all fields have been populated so you may not see the POC in this version. I am still adding fields here.

Profiles – Screen Prompt 1

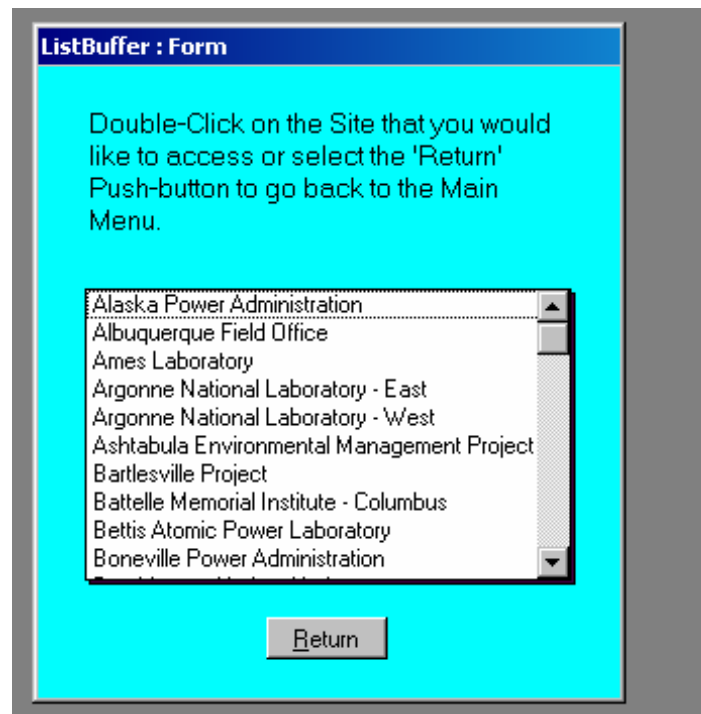**Profiles - Screen Prompt 2**

Selection for Profile Review

Double-Click on the type of Profile that you would like to access or select the 'Return' Push-button to go back to the previous screen.

Headquarters
Program Secretarial Offices
Field Offices
Sites

Return

ListBuffer : Form

Double-Click on the Site that you would like to access or select the 'Return' Push-button to go back to the Main Menu.

Alaska Power Administration
Albuquerque Field Office
Ames Laboratory
Argonne National Laboratory - East
Argonne National Laboratory - West
Ashtabula Environmental Management Project
Bartlesville Project
Battelle Memorial Institute - Columbus
Bettis Atomic Power Laboratory
Boneville Power Administration

Return

Profiles – Main Screen

DOE Profiles Section

Site Information | Operating Contractor(s) | Valuation

Back

Quit

Y-12

Acronym: Y-12   Identification Code: 4008000

Contact: Dan Hoag (DOE Site rep)   Phone: (865) 576-0511

Address   P.O. Box 2001
           Oak Ridge, TN 37831-8555

STATUS: Site Reporting Code is Active from 1991 to Current Year.

Main Screen Sections - Reporting

This is the heart of the program and is the place where you can view, edit or add information and print out a hard copy report on a particular group (hard copy reports only available at the site level in the current application). FYI, fire loss records are generated at the M&O level with each M&O assigned a value (based on the CAIRS Organization Code). The Org code is further tied to a site code allowing one or more organizations to be included in a sites make-up. Sites are tied to OPS offices and CSO's. The screen sequence is the same as described in the profiles section above only after making a selection in Screen 1, the user is prompted for a date (via the Date Prompt Screen shown below)
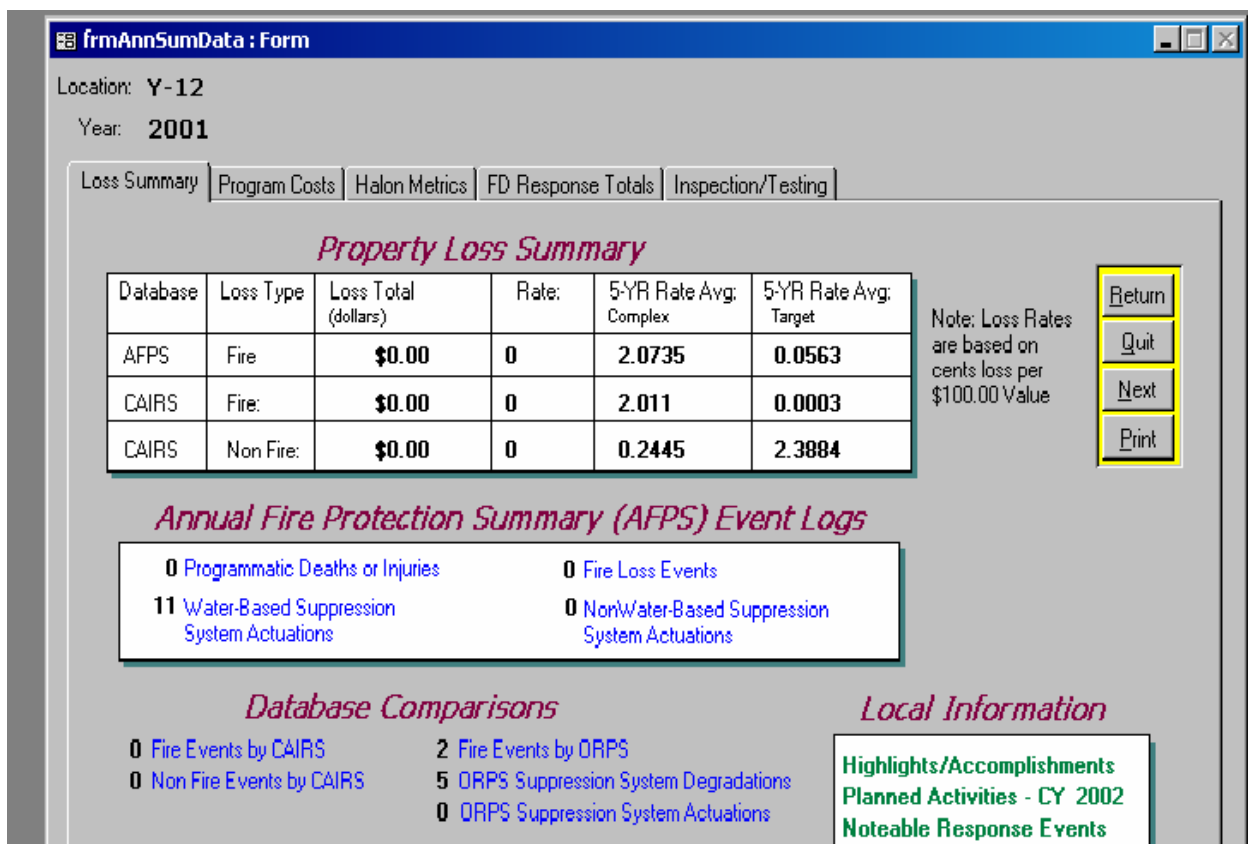
Reporting – Date Prompt Screen

Reporting – Main Screen

Loss Summary Tab: This is where you can see the property loss (AFPS fire, CAIRS fire, CAIRS property), rate information (by location-year, by 5 year location average, by DOE-yr, and by DOE 5 yearr average); the number of CAIRS and ORPS events reported at the location for the year, and the Number of: fire events; Injuries; water-based suppression; non-water-based suppression system events that are currently available as records in the database. To see any of these events, you just have to click on the blue text of the event, and a screen will pop up with all the info on that event. (see Loss Summary Tab – Screens 1 and 2 below) You can then scroll through events and edit, add, or delete events as necessary.   If there are zero (0) events in the AFPS Events log or Local Information Sections, You will be asked if you want to add a new event and, based on the type of event, other information requests will be necessary. For example, if you are adding a new fire loss event, you will be asked if an injury occurred based on the event and if an automatic fire protection system was involved (if you answer yes to an automatic fire protection system , then you will be asked if it was a water based or non-water based system)

In some instances (CAIRS and ORPS records) you are not allowed to edit, add, or delete records, so these buttons will not be available. Also, if you are in the HQ, CSO, or OPS mode, you will be prompted to select a site and possibly an organization at the site, before you can in fact do any edits, additions, or deletions. Therefore, If you are planning to do any editing, you should do so in the Site mode first.

Loss Summary Tab – Screens 1

The above screen is what is displayed when the user clicks on the AFPS Event Logs Section text (blue) for water-based suppression system actuations. In this screen the user can scroll through events and either edit/add or delete a record in this category. If a user wants to add an event, screen prompts will ask if a fire or an injury occurred and will display a blank record that is available for editing. The user must provide information in all areas and by clicking on the

blue text will be able to populate fields with standard information lists. For example, under type, the user must select from a specific list of water based suppression system types. In the case of dollar loss, the field will accept $0.00. If the user forgets to fill in the field and tries to save the record, he will be notified of the first empty field. So, all fields need to be filled in.

Loss Summary Tab – Screens 2

The above screen is what is displayed when the user clicks on the Database Comparison Section Section Fire Events by ORPS text (blue) In this screen the user can scroll through ORPS records, but can not edit or delete these.

Program Cost Tab: This is where yearly Program Costs are displayed as are the costs for the previous two years (See screen below). As stated in the first tab description, any edits should be made in the Site Mode although it is not necessary since the application will take you there when you hit the edit button. Edits can only be made for the selection year (shown as a white data entry box for the year). This is also the place where you can see, add or delete any major equipment purchase items that are not a part of the yearly recurring cost. For major equipment purchases, select on the ADD button and you will be prompted for the item description and its cost. One thing: PLEASE DO NOT USE A the character " ' " in the description, as it will cause an error from the import side of things (something I need to fix). To delete a major purchase item, just click on the item and a delete button will come up where it can be deleted. (Note that right now if you select something to be deleted then please delete it. If you hit cancel after delete, you will get an error (something I need to fix).

Reporting – Main Screen: Program Cost Tab

frmAnnSumData : Form

Location: Y-12
Year: 2001

Loss Summary | [Program Costs] | Halon Metrics | FD Response Totals | Inspection/Testing |

Fire Department	Current	2000	1999
Staffing:	2,178,000.00	2,576,000.00	2,382,000.00
Equipment:	0.00	0.00	0.00
Systems:	4,567,000.00	2,334,000.00	2,918,000.00
Medical:	1,695,000.00	1,542,000.00	463,000.00
Training:	589,000.00	594,000.00	231,000.00
Outside Services:	334,000.00	311,000.00	163,000.00
FP Engineering:	936,000.00	536,000.00	662,000.00
Total:	10,299,000.00	7,893,000.00	6,819,000.00
DOE Normalized:	23.1534	17.7445	14.6744

Return
Quit
Next
Print
Edit

Notes

2002

Halon Metrics Tab: This is where yearly Halon updates are displayed. As stated in the first tab description, any edits should be made in the Site Mode although it is not necessary since the application will take you there when you hit the edit button. Halon information from the past year is displayed and all you have to do to update for the year. A few additional fields have been added to ID any Halon that you: sell directly (or trade out), transfer from inventory to the halon bank, any you remove from the bank, and any inflow or outflow resulting from an site-to-site transfer. Most sites will however just work with the No. and amounts removed. Once you make your edits, then save and your done

Reporting – Main Screen: Halon Metrics Tab

frmAnnSumData : Form

Location: Y-12
Year: 2001

Loss Summary | Program Costs | [Halon Metrics] | FD Response Totals | Inspection/Testing |

Fixed Systems

	Number of Systems	Site Quantity Active	Site Quantity Inventory	TOTAL Site Quantity	TOTAL Banked Quantity
Last Reporting Period	3	666	5,034	5,700	0

Activity this Period

Number Removed	Number Added	Quantity Removed	Quantity Added	Quantity Imported	Quantity Exported	Bank Deposit	Bank Withdral	Quantity Released	Quantity Sold	Quantity Bought
3	0	666	0	0	0	5,700	0	0	0	0

	Number of Systems	Site Quantity Active	Site Quantity Inventory	TOTAL Site Quantity	TOTAL Banked Quantity
Current Reporting Period	0	0	0	0	5,700

Hand Held Extinguishers

Last Period				Activity this Period			Current Totals			
Active	Inventory	Site Total	Banked	Removed	SntBank	Sold	Active	Inventory	Site Total	Banked
0	0	0	0	0	0	0	0	0	0	0

Return
Quit
Next
Print
Edit

Notes

2002

FD Response Tab: As stated in the first tab description, any edits should be made in the Site Mode although it is not necessary since the application will take you there when you hit the edit button.

Reporting – Main Screen: FD Response Tab

Fifth Tab: This is the place where Inspection and testing results will be displayed

Reporting – Main Screen: FD Response Tab

frmAnnSumData : Form

Location: **Y-12**

Year: **2001**

Tabs: Loss Summary | Program Costs | Halon Metrics | FD Response Totals | Inspection/Testing

	Current			2000		
	Number of Systems	Number Inspected	Number Failed	Number of Systems	Number Inspected	Number Failed
Wet Pipe SprinklerSystems	3,849	3,849	654	0	0	0
1. Control Valve is open			0			0
2. Water flow alarm is operable			0			0
3. Sprinkler Equipment operable			0			0
4. Water Pressure/volume available			0			0
Wet Pipe Sprinkler Systems (anti-freeze)	0	0	0	0	0	0
Dry Pipe Sprinkler Systems	70	1,069	473	0	0	0
1. Control Valve is open			0			0
2. Water flow alarm is operable			0			0
3. Supervisory Gas is adequate			0			0
4. Water Pressure/volume available			0			0
Deluge Sprinkler Systems	84	1,365	591	0	0	0
1. Detection System Connected			0			0

Buttons: Return, Quit, Next, Print, Edit

Notes:

2002

AFPS – Main Screen - Export Data Files

The application you have has a standard file generation feature that exports your changes in a specific way, so that others can import any changes that you make, update and retain said updates. This update method is also independent of the MS Access version that you are using therefore an MS-97 version can communicate with an MS-2000 version. Because of this file transfer process, when you activate the application, Three folders will be created in the same directory as the application: FPS_InBox, FPS_OutBox, and FPS_History. To make and export file simply click on the 'Export Data' in the main screen and any changes you make will be written to a character delimited text file (with a time stamp) that you can then e-mail to another user or headquarters. The created file will be located in the FPS_OutBox and the application's edit buffer will then be cleared out. Because of this, it is recommended that you also copy this file to the FPS_OutBox so that you have a back-up just in case one gets accidentally deleted.

After you make an Export file, the buffer gets cleared. When receiving a file (via e-mail) It will automatically be added to your application if it is moved to the FPS_inbox. Any revisions that you make subsequent to the import are also added to this buffer file, so that when you export, all changes get included. These files can then be e-mailed to HQ, consolidated and then reissued as a special HQ_Import file that updates all to the current and then erases (or copies itself to a history folder). Sounds complicated eh. That's why I want to test it. I have done some preliminary work and it seems to work but, it needs to be flawless otherwise, people won't use it.

Error Trapping and other Limitations

First off, I am a Fire Protection Engineer, not a Software Engineer. That said, you will probably see an error or two in this application version. If you do get an error, you should make a note on how you came to this error, and then end the application session. Hopefully, the error did not damage any existing data. Contact me with the information on where the error was (I know a few) and I will try to replicate and fix the situation. Stuff like this happens, and there will be updates to correct the situation. Also, you will notice that there are buttons for reports (hardcopies), and some graphing capabilities that have not been built yet. Also not built, but planned is the ability to trend these events, or to provide a type comparison process (giving you the opportunity to compare your organization with another in the Complex).

So here it is. Give it a look. If you can't get it to run or have any questions, please call me at (301) 903-6542